

**North Carolina Botanical Garden**

**Chapel Hill, NC**

**June 19-21, 2012**

**AGENDA**

**TUESDAY, June 19**

**8:00 a.m. Registration**

**8:30 Welcome & Introductions**

**9:15 Group Concept Mapping Exercise** ***Dana Haine,*** *UNC Institute for the Environment*

**10:15 Break**

**10:30 Recent Climate Variability and Extremes: Is Global Warming Responsible?  
*Chip Konrad,*** *Southeast Regional Climate Center at UNC*

**Noon Lunch**

***iPad Exploration: Climate Change Resources***

***Linda Schmalbeck****,**NC Climate Fellows Teacher Consultant*

**1:00 Infrared Prediction Activity   
*DeeDee Whitaker****,**NC Climate Fellows Teacher Consultant &* ***Linda Schmalbeck***

**2:00 Introduction to Remote Sensing   
*DeeDee Whitaker***

**2:30 Aerosol Impact on Climate  
*Uma Shankar,*** *Center for Environmental Modeling for Policy Development, UNC Institute for the Environment*

**3:30 Break**

**3:45 NC CLIMATE Fellows Lesson Plan Development  
*Sarah Yelton,*** *UNC Institute for the Environment**&* ***DeeDee Whitaker***

**4:30 Climate Change - A Human Health Perspective  
*Bono Sen****, National Institute of Environmental Health Sciences (NIEHS)*

**5:00 Break & Hotel Check In**

**6:00 Dinner – Spanky’s *(optional)***

**7:30 Alliance for Climate Education Assembly *(optional)***

***Johanna DeGraffenreid,*** *ACE*

**WEDNESDAY, June 20**

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**8:15 NetLogo Climate Change Model  
*Dana Haine***

**8:45 Duke Forest Tours:   
CO2 and Global Warming Research Plots**

**12:00 p.m. Lunch**

**1:00 Overview of NASA Resources for the Study of Climate Change**

***Judy Walker,*** *North Carolina NASA Educator Resource Center, UNC Charlotte*

**1:45 Introduction to Concurrent Sessions**

**2:00****Concurrent Sessions I**

**GRACE Resource DVD   
Climate and Health Analysis for Global Education Viewer**

**NASA’s Earth Observatory and TRMM Satellite Resources for Investigating Climate**

**Introduction to MODIS**

**2:30 Break**

**2:45 Concurrent Sessions II**

**GRACE Resource DVD**

**Climate and Health Analysis for Global Education Viewer**

**NASA’s Earth Observatory and TRMM Satellite Resources for Investigating Climate**

**Introduction to MODIS**

**3:15 Lesson Development: Exploring NASA Resources**

***DeeDee Whitaker*** *&* ***Judy Walker***

**4:00 Discussion**

**4:15 Break**

**4:30 North Carolina Botanical Garden –   
Climate Change Initiatives   
*Peter White, N****orth Carolina Botanical Garden*

**5:00 Tour of the NCBG Education Center   
*Peter White***

**5:45 Dinner on the Deck/Explore the Gardens (optional)**

**6:45 Climate Change Garden/Project Budburst (optional)**

***Grant Parkins,*** *North Carolina Botanical Garden*

***DeeDee Whitaker*** *&* ***Linda Schmalbeck***

***Barbara Gamblin****, 2011 NC Climate Fellow*

**THURSDAY, June 21**

**8:15 a.m. Cryosphere Lab Activities**

***Dana Haine***

**9:15 Climate Change Effects on the Cryosphere   
*Jose Rial and Mike Willis,*** *UNC Department of Geology*

**10:30 Break**

**10:45 Ecological Responses to Climate Change: Seasonal Shifts and the Life Cycles of Organisms**

***Joel Kingsolver,*** *UNC Department of Biology*

**12:00 p.m. Lunch**

**1:00 The Impact of Climate Change on Marine Ecosystems  
*John Bruno,*** *UNC Department of Biology*

**2:00 Group Concept Mapping Exercise and Debrief**

***Dana Haine***

**2:45 Program Evaluation with Break**

**3:00 Lesson Plan Development**

***Sarah Yelton*** *&* ***DeeDee Whitaker***

**3:45 Evaluations**

**4:00 Wrap-Up and Announcements**

**4:15PM Depart**